



COURSE OUTLINE

MTF133

Prepared: Dave Holley Approved: Corey Meunier

Course Code: Title	MTF133: MACHINE OPERATIONS		
Program Number: Name	4051: METAL FABRICATION		
Department:	IRONWKR APPR./WELDING RELATED		
Semester/Term:	17F		
Course Description:	Use fabrication equipment for forming plate and structural shapes in accordance with government safety regulations, manufacturer’s recommendations, and approved industry standards.		
Total Credits:	2		
Hours/Week:	2		
Total Hours:	30		
Essential Employability Skills (EES):	#1. Communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience. #10. Manage the use of time and other resources to complete projects. #11. Take responsibility for ones own actions, decisions, and consequences.		
Course Evaluation:	Passing Grade: 50%, D		
Other Course Evaluation & Assessment Requirements:	1. Late hand in penalties will be 10% per day. Assignments will not be accepted past one week late unless there are extenuating and legitimate circumstances. 2. If a student misses a test/lab he/she must have a valid reason (i.e. medical or family emergency documentation shall be required). In addition, the instructor MUST be notified PRIOR to the test or lab sitting. If this procedure is not followed the student will receive a mark of zero on the test/lab with no make-up option. 3. Re-writes are NOT allowed for any written assignment, quiz or test. 4. Repeats are NOT allowed for any shop test. 5. Course attendance is mandatory. One percent (1 %) per hour will be deducted from the final course grade for unexcused* absence. Valid reasons would include: Doctors note Family Death or Serious Illness supported by a written note.		
Evaluation Process and	<table border="1"> <thead> <tr> <th>Evaluation Type</th> <th>Evaluation Weight</th> </tr> </thead> </table>	Evaluation Type	Evaluation Weight
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Grading System:

Band Saw	16%
Chop Saw	16%
Drill Press	16%
Ironworker	36%
Plate Shear	16%

Course Outcomes and Learning Objectives:**Course Outcome 1.**

Use fabrication equipment for forming plate and structural shapes in accordance with government safety regulations, manufacturer's recommendations and approved industry standards

Learning Objectives 1.

Upon successful completion of this course, the student will demonstrate the ability to:

1. Describe operation and maintenance of common fabrication equipment.
 - Plate shears
 - Iron worker
 - Drills
 - Band saws
 - Benders
 - Chop Saw
2. Select and demonstrate functions of common fabrication machinery and their safety systems.
 - Plate shears
 - Drill presses
 - Band saws
 - Safe retrieval of drops and marking piece/part number
 - Safety systems
 - Applicable codes and manufacturer's recommendations

Date:

Monday, December 18, 2017

Please refer to the course outline addendum on the Learning Management System for further information.